

JCC525 U.S.  
01/30/02  
PTO/SB/05

02.04.02  
A

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## UTILITY PATENT APPLICATION TRANSMITTAL

Commissioner for Patents  
Washington, D.C. 20231  
BOX PATENT APPLICATION

Attorney Docket No.: 020009  
Date: January 30, 2002  
Express Mail Label No.: EV074586132US  
Customer No.: 023696 Bar Code  
Label:

\*23696\*

23696

PATENT TRADEMARK OFFICE

j1002 U.S. PRO  
10/062155  
01/30/02

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): YU-CHUAN LIN

For: RECEIVER NOISE ESTIMATION

Enclosed are:

1.  Patent application (29) total pages.
2.  Drawings:  Formal (10) sheet(s) or  Informal ( ) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  An Assignment ( ) pages and Recordation Form Cover Sheet.
5.  A Preliminary Amendment ( ) pages.
6.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
7.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	37 - 20	27	x \$18 =	\$486
Independent**	7 - 3	4	x \$84 =	\$336
Multiple Dependent Claim(s):	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		\$270	\$0
APPLICATION FILING FEE			\$740	\$740
			TOTAL FEE	\$1562

\*If the number in column a is less than 20, enter 0 in column b.  
\*\*If the number in column b is less than 3, enter 0 in column b.

8.  A check in the amount of \$ \_\_\_\_\_ is enclosed to pay the filing fee.
9.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1562. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: January 30, 2002

Signature:

George C. Pappas, Reg. No. 35,065  
(858) 651-1306

QUALCOMM Incorporated  
Attn: Patent Department  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 651-1179  
Facsimile: (858) 658-2502

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
YU-CHUAN LIN

For: RECEIVER NOISE ESTIMATION

Serial No.: UNKNOWN

Group Art Unit: UNKNOWN

Filed: HEREWITH

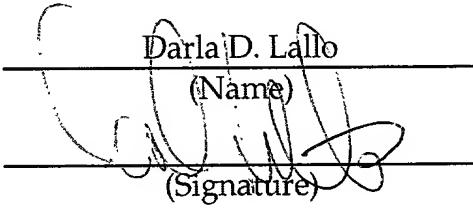
CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Commissioner of Patents  
BOX PATENT APPLICATION  
Washington, D.C. 20231

Dear Sir:

"Express Mail" mailing label No. EV074586132US  
Date of Deposit January 30, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Commissioner of Patents, Box Patent Application, Washington, D.C. 20231. Enclosed herewith are the following documents: TRANSMITTAL LETTER; CERTIFICATE OF MAILING UNDER 37CFR § 1.10; PATENT APPLICATION IN 29 PAGES, FORMAL DRAWINGS IN 10 pgs; and POSTCARD.

  
Darla D. Lallo

(Name)

(Signature)

QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 651-6399  
Facsimile: (858) 658-2502